

The National Board of Boiler and Pressure Vessel Inspectors

**Incident Report**  
**Boiler or Pressure Vessel**

Incident #

Type of vessel \_\_\_\_\_ MAWP \_\_\_\_\_ Date of incident \_\_\_\_\_  
see legend

Type of business where used \_\_\_\_\_ Location of incident \_\_\_\_\_  
school, hospital, etc. city/state/province

Vessel manufacturer \_\_\_\_\_

Jur. no. \_\_\_\_\_ Mfg. Serial no. \_\_\_\_\_ NB no. \_\_\_\_\_

Set pressure of safety or safety relief valve \_\_\_\_\_ Was valve ASME/NB? \_\_\_\_\_  
yes or no

To what code was vessel built? \_\_\_\_\_  
ASME Section/jurisdiction/international code

Does jurisdiction require periodic inspection? \_\_\_\_\_ Was certificate issued? \_\_\_\_\_  
yes or no yes or no

Does jurisdiction require licensed operators? \_\_\_\_\_ Were operators licensed? \_\_\_\_\_  
yes or no yes or no

Type of incident \_\_\_\_\_ Primary cause \_\_\_\_\_  
see legend see legend

Secondary cause \_\_\_\_\_ Contributing cause \_\_\_\_\_  
see legend see legend

Number killed \_\_\_\_\_ Number injured \_\_\_\_\_ Estimated property damage \_\_\_\_\_

Were previous repairs made? \_\_\_\_\_ R-1 form signed? \_\_\_\_\_  
yes or no yes or no

Were previous violations reported? \_\_\_\_\_ Describe \_\_\_\_\_  
yes or no

Additional comments \_\_\_\_\_

Submitted by \_\_\_\_\_ Affiliation \_\_\_\_\_

Jurisdiction \_\_\_\_\_ Date \_\_\_\_\_

Mail one copy to: The National Board of Boiler and Pressure Vessel Inspectors  
1055 Crupper Avenue, Columbus, Ohio 43229, USA



## TYPE OF VESSEL LEGEND

|                               |                                |
|-------------------------------|--------------------------------|
| Acetylene or Welding          | Natural Gas Storage/Processing |
| Anhydrous Ammonia             | Oxygen Storage/Processing      |
| Air Receiver/Tank Mounted     | Oil Storage/Processing         |
| Air Receiver/Remote           | Operator Error                 |
| Boiler — Type Unknown         | Piping — Type Unknown          |
| Boiler — Heating              | Piping — Air                   |
| Boiler — Power                | Piping — Steam                 |
| Boiler — Process              | Piping — Water                 |
| Boiler — Cast Iron            | Piping — Chemical              |
| Butane                        | Piping — Petroleum Products    |
| Chemical Storage/Processing   | Piping — Natural Gas/Propane   |
| Diesel Storage/Processing     | Propane Storage/Processing     |
| Ethylene Storage/Processing   | Pressure Vessel                |
| Furnace                       | Radioactive Material           |
| Gasoline Storage/Processing   | Scuba or Diving Gear           |
| Heating Unit                  | Unknown                        |
| Kerosene Heater               | Water Heater                   |
| Liquid Hydrogen Store/Process | Water Storage/Processing       |

## TYPE OF INCIDENT- LEGEND

|           |         |
|-----------|---------|
| Crack     | Leak    |
| Dry Fire  | Other   |
| Explosion | Rupture |
| Fire      | Unknown |

## CAUSE LEGEND

|                              |                                |
|------------------------------|--------------------------------|
| Arson                        | Leak — Other                   |
| Chemical Reaction            | Low Water Cutoff Failure       |
| Corrosion                    | Manufacturing Error            |
| Design Error/Engineering     | Mechanical Malfunction         |
| Dry Firing                   | Murder Attempt                 |
| Electrical Malfunction       | Object Striking Vessel or Pipe |
| Erosion                      | Opened Under Pressure          |
| External Fire or Explosion   | Other                          |
| Exterior Gases or Fumes      | Operator Error                 |
| Failure in Hydrostatic Test  | Overpressure                   |
| Failure in Pneumatic Test    | Sabotage                       |
| Improper Connections         | Safety Valve Faulty            |
| Improper Filling             | Safety Valve Improper          |
| Improper or No Maintenance   | Safety Valve Missing           |
| Improper Repair/Modification | Suicide Attempt                |
| Improper Use                 | Stress Thermal/Cyclic/W Hammer |
| Leak — Origin Unknown        | Unknown                        |
| Leak at Weld                 | Vandalism                      |
| Leak in Vessel Wall          | Weld Defect in Manufacturing   |
| Leak in Connection           | Weld Defect in Field           |